

Franzell

①  
Line 758

10-1-69

**TAS 3081B-14**

**T.H. 51**

**T.H. 36 TO HAMLINE AVE.**

**S.P. 6216-43**

**OCT. 1969**

**OFFICE OF  
TRANSPORTATION PLANNING**

**MINNESOTA HIGHWAY DEPARTMENT**



DEPARTMENT HIGHWAY

## Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: October 3, 1969

FROM : Douglas H. Differt, Chief  
Traffic Analysis Section

SUBJECT: T.H. 51, T.H. 36 to Hamline Avenue  
S.P. 6216-43  
TAS 3081B-14

The Traffic Analysis Section transmits this report in response to R. Hill's April 22, 1969 request for the 1990 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1990 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 1, with a 1990 ADT of 39800, has the highest 1990 ADT on the project section of T.H. 51. This segment has a 1968 ADT of 28750 vehicles.

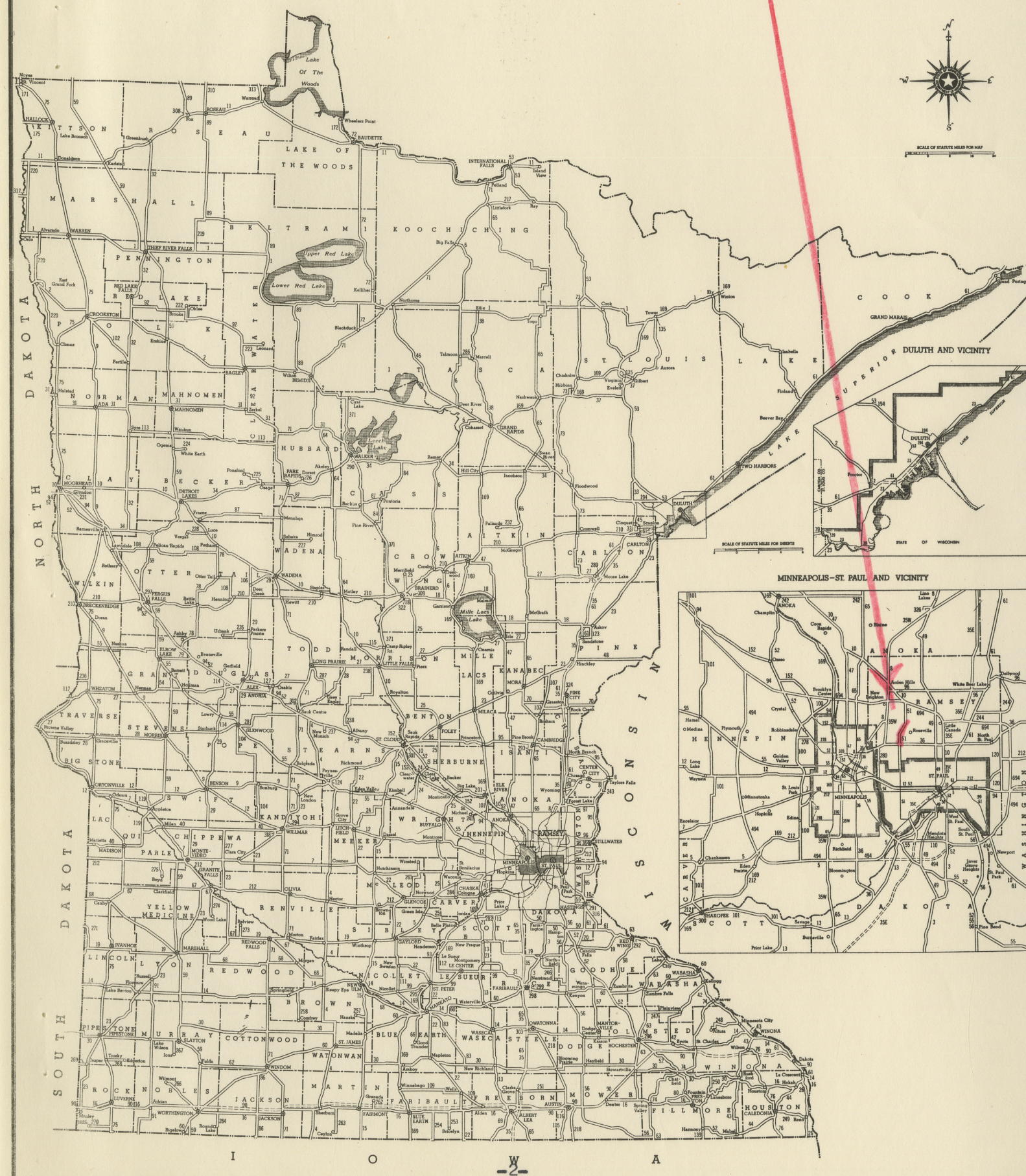
The basic data, method and assumptions used to prepare this report are presented on page 7.

*Douglas H. Differt*  
Douglas H. Differt, Chief  
Traffic Analysis Section

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STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

Project Location  
S.P. 6216-43





TAS 3081B-14  
October, 1969

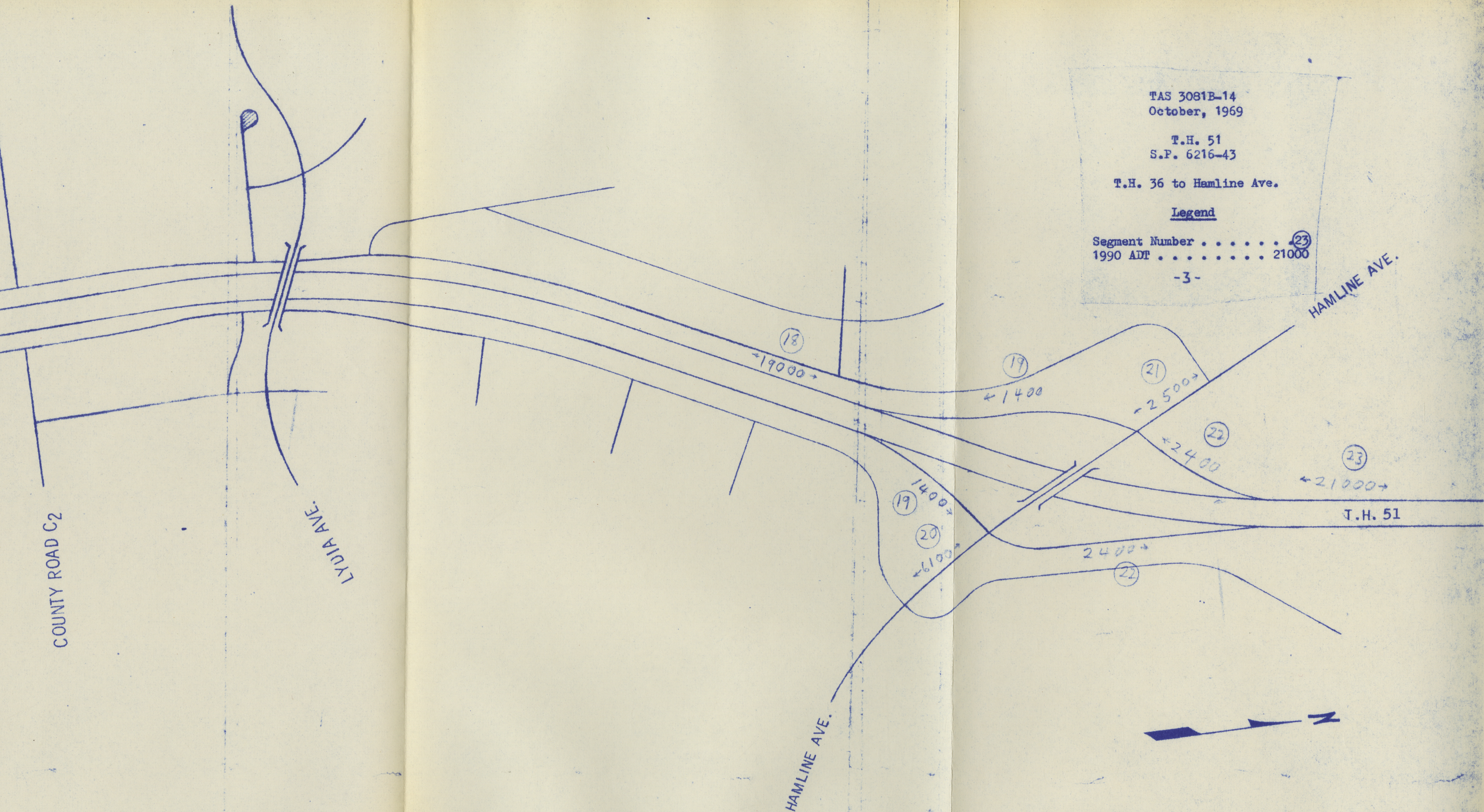
T.H. 51  
S.P. 6216-43

T.H. 36 to Hamline Ave.

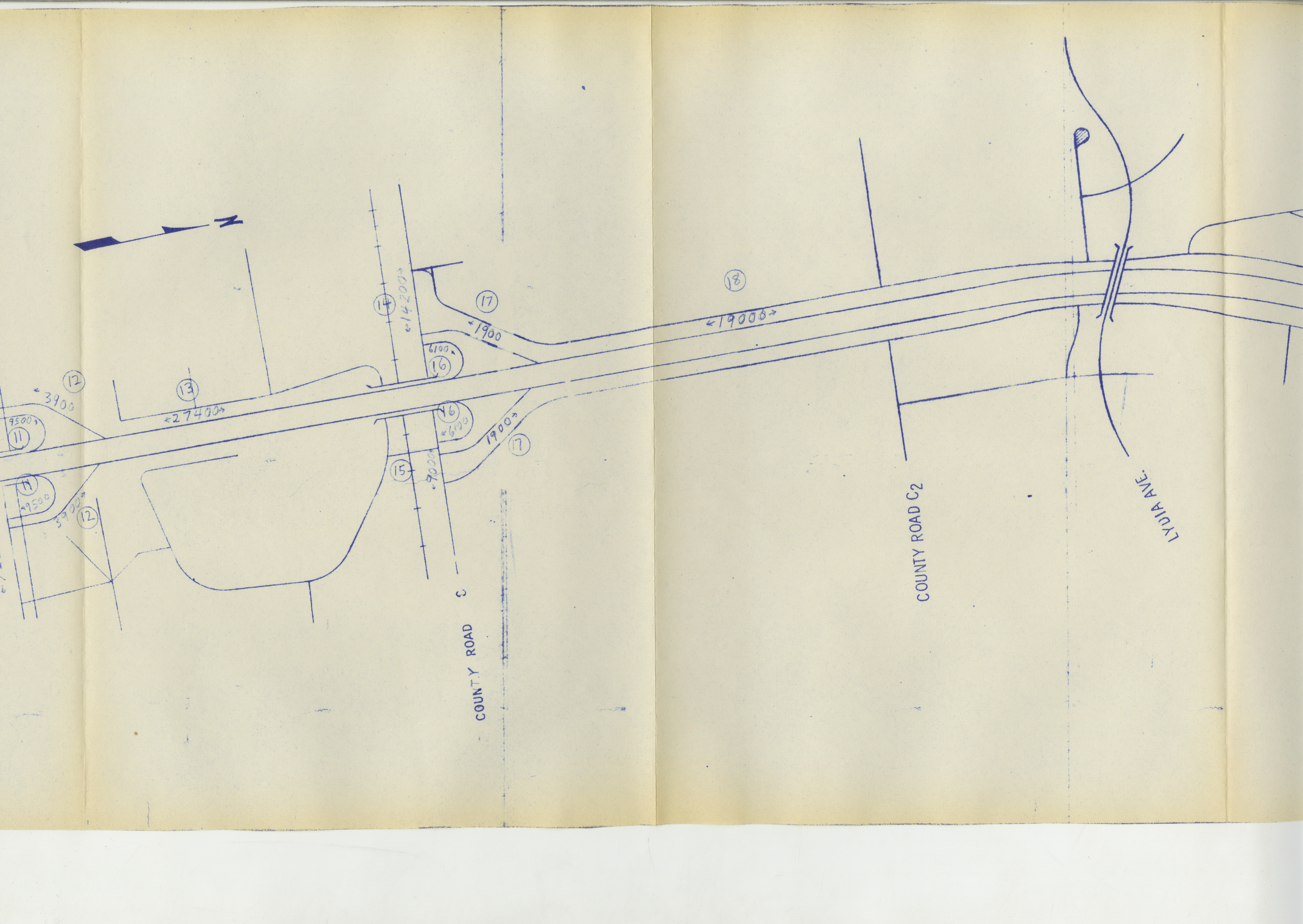
Legend

Segment Number . . . . . 23  
1990 ADT . . . . . 21000

-3-







COUNTY ROAD C

COUNTY ROAD C2

LYDIA AVE.

3900

27400

14200

1900

19000

9500

9500

3900

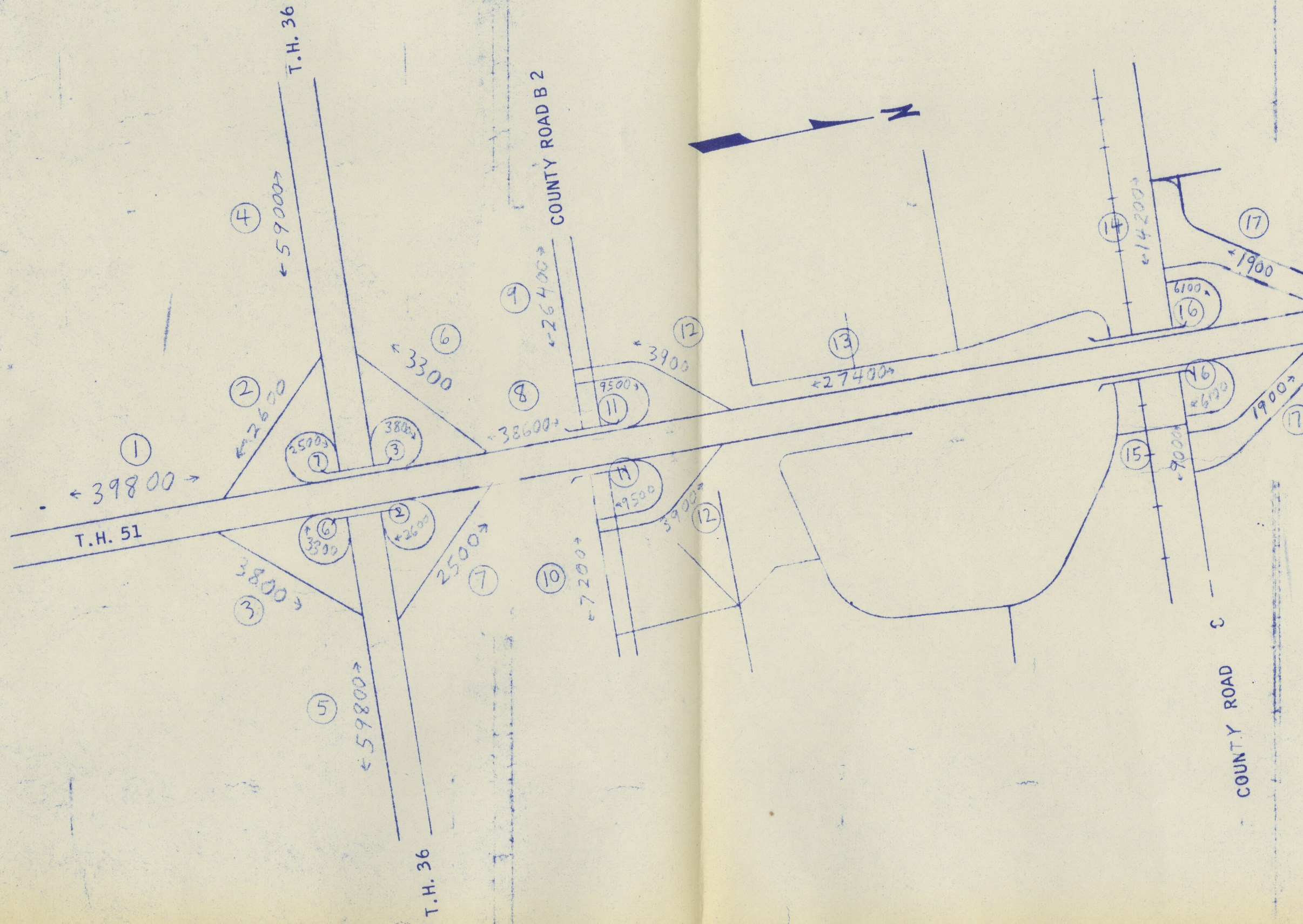
7000

6100

1900



THIRI CREEK AND T.H. 51





## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 3

FOR

T.H. 51 S.P. 6216-43 LENGTH ----- MILES  
COUNTY Ramsey LOCATION T.H. 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	37742	2464	3637	55322	56254	3085	2378	36466	25004	6796	8990
1	864	57	62	1298	1264	76	54	886	970	226	313
2	215	14	17	412	386	26	10	225	116	48	56
3	105	6	9	158	148	14	6	115	40	12	18
4	130	9	10	448	412	27	8	162	56	22	26
5	535	36	46	1064	1036	56	32	547	110	62	58
6	209	14	19	298	300	16	12	199	104	34	39
TOTAL ADT	39800	2600	3800	59000	59800	3300	2500	38600	26400	7200	9500
TOTAL H. COMM. ADT	2058	136	163	3678	3546	215	122	2134	1396	404	510
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 3

FOR

T.H. 51 S.P. 6216-43 LENGTH ----- MILES  
COUNTY Ramsey LOCATION T.H. 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	3702	25890	13432	8530	5803	1790	17864	1327	5802	2376	2286
1	145	550	256	172	101	45	438	42	176	70	69
2	14	141	80	46	32	11	99	7	30	10	11
3	4	87	56	30	19	8	65	2	6	2	2
4	7	124	116	68	42	16	72	4	14	8	5
5	14	459	204	126	81	24	345	5	22	14	11
6	14	149	56	28	22	6	117	13	50	20	16
TOTAL ADT	3900	27400	14200	9000	6100	1900	19000	1400	6100	2500	2400
TOTAL H. COMM. ADT	198	1510	768	470	297	110	1136	73	298	124	114
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 3 OF 3

FOR

T.H. 51 S.P. 6216-43 LENGTH ----- MILES

COUNTY Ramsey LOCATION T.H. 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH ----- AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23										
0	19782										
1	492										
2	107										
3	65										
4	74										
5	357										
6	123										
TOTAL ADT	21000										
TOTAL H. COMM. ADT	1218										
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS
- 1= SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
- 2= SINGLE UNIT-3 AXLE TRUCKS
- 3= TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
- 5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
- 6= BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

The 1990 ADT and DHV for this project are transmitted in TAS 572A-14 on September 8, 1969. This report agrees with TAS 3081A-14 transmitted on August 29, 1968 with the exception of traffic volume reassignments. The County Road C2 interchange has been eliminated in the enclosed design shifting traffic to Hamline Avenue and County Road C.